



REPORT TO THE NATURAL RESOURCE DAMAGE COUNCIL

CFWEP



Our mission is to foster environmental stewardship and scientific decision-making through place-based learning and direct experiences.





SCIENCE

"We bring science to life out of the textbook and into the field."

-Chris Doyle, Field Coordinator

STEWARDSHIP

"We get kids outside to create stewards to care for the billion dollar recovery for future generations."

-Rayelynn Brandl, CFWEP Director

EDUCATION

"CFWEP is an early point-of-entry for young people into the STEM pipeline."

-Amy Verlanic, MT Tech's Institute for Educational Opportunities

KIDS

"This is the FUNNEST thing I have ever done in school."

-6th grader, Lincoln, MT



THE BUTTE TEAM



RAYELYNN BRANDL
CFWEP Director



CHRIS DOYLE
Field Coordinator



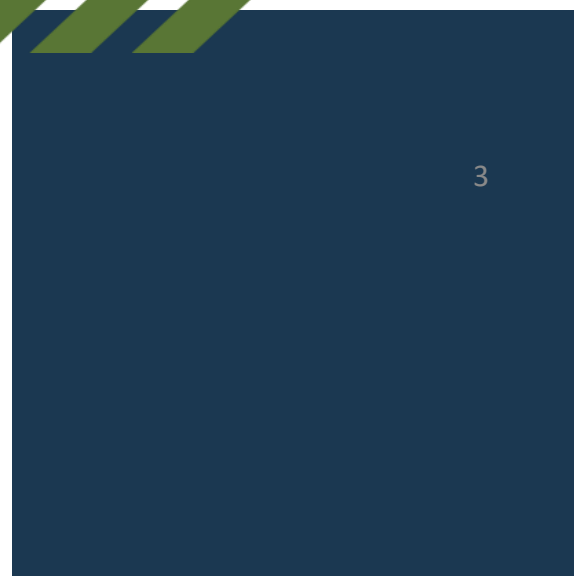
KAYLA LAPPIN
Events & Communications Coordinator
Budget Analyst



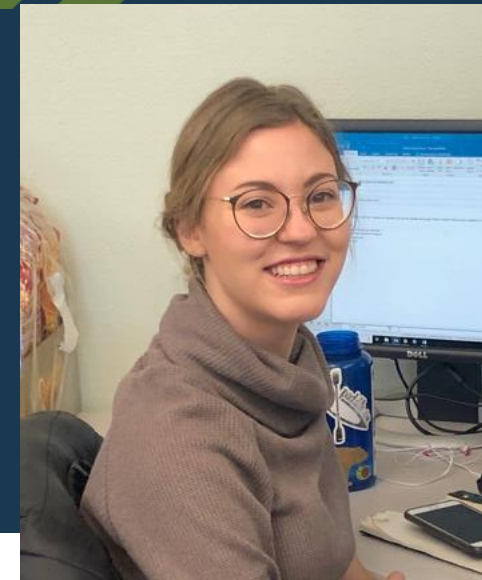
TAMMY GORDON



GRETCHEN
DRULINER
Field Coordinator



OPEN SLOT



RACHEL NEAL
Watershed Corps



TOMMY DOLAN
Student Intern

THE MISSOULA TEAM



DR. ERICK GREENE
Montana Osprey Project



MEGAN FYLLING
UM Bird Ecology Lab



DALIT GUSCIO
CFWEP Missoula
Program Manager

BIRD
ECOLOGY LAB
UNIVERSITY OF MONTANA



- STUDENTS
- TEACHERS
- COMMUNITY

We are creating a legacy of
environmental stewards.

WHO DO
WE
SERVE?



HOW DO
WE
SERVE?



5-Day Watershed Science Program



Fly Fishing Camp



Community Service Learning Events



CUBS Day



Stormwater Art & Education



Phage Discovery for Students



Watershed Tours

Authentic Research for
Students—Beaver Mimicry
Program



Watershed Days



Trout in the Classroom
(TIC)



Teacher Professional
Development

Osprey Education



Bird's Eye View Education Program



Community Education



Watershed Education



Field Trips



BIRD
ECOLOGY LAB
UNIVERSITY OF MONTANA



MISSOULA



Tribal Education

Confederated Salish and Kootenai Tribes

CFWEP's Missoula Tribal Programs
have reached 261 Students.

In addition, indigineous traditional
place names are part of our 5-day
curriculum for all classrooms.

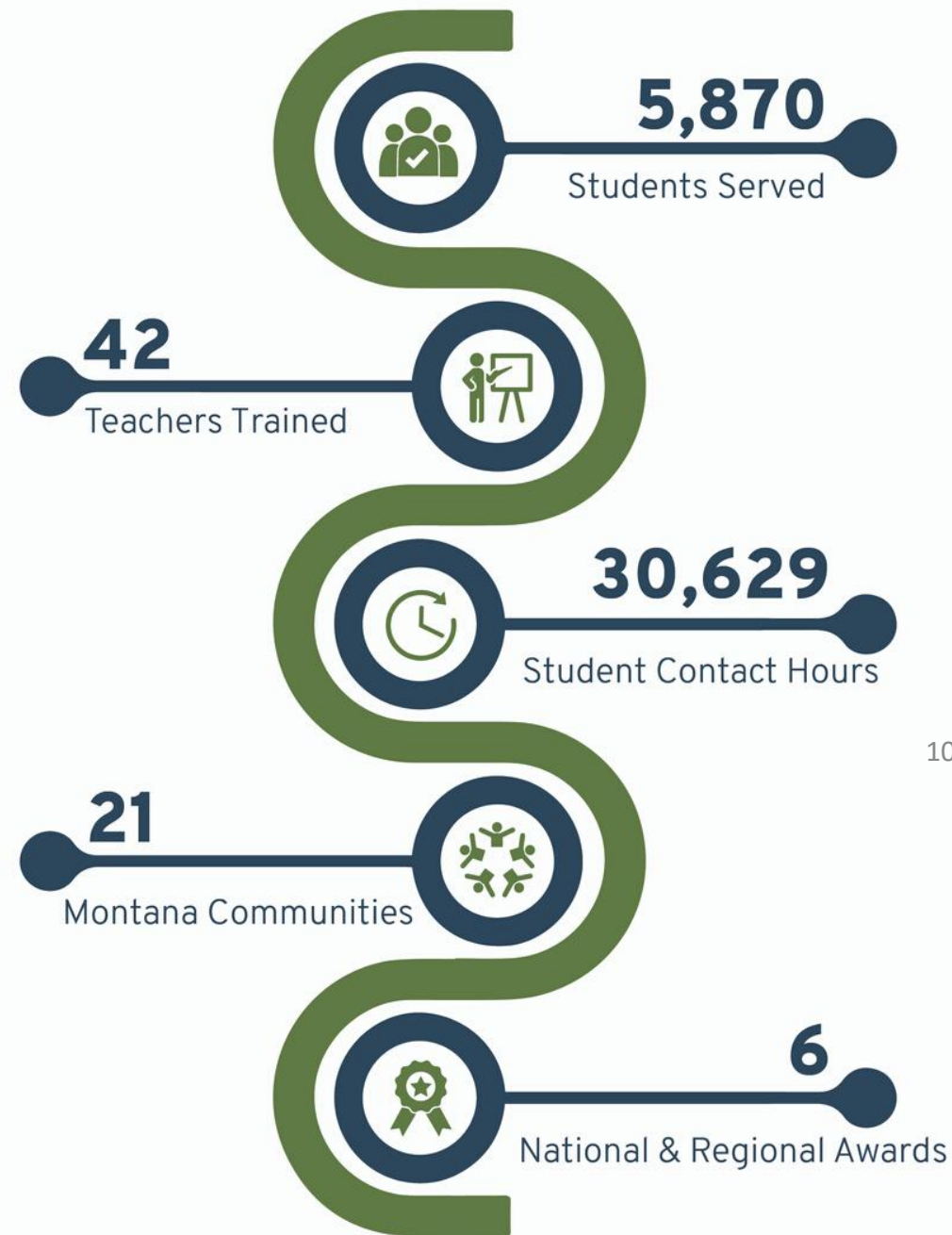


REACH & IMPACT



Clark Fork Watershed
Education Program

TOTAL SERVED 2018-2020*
For all CFWEP Programming
NRDP Funding



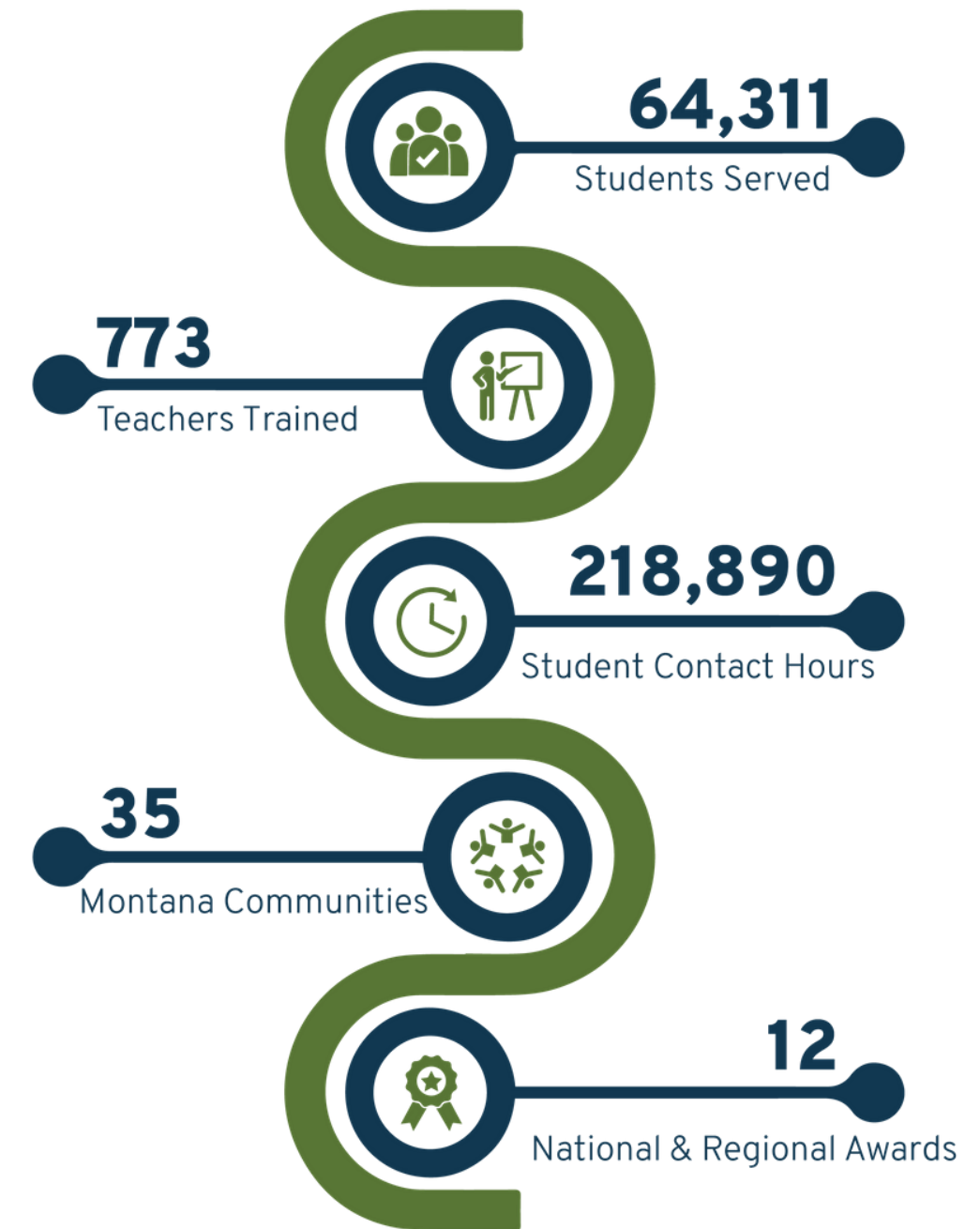
*Updated through December 2019

This grant cycle



Clark Fork Watershed
Education Program

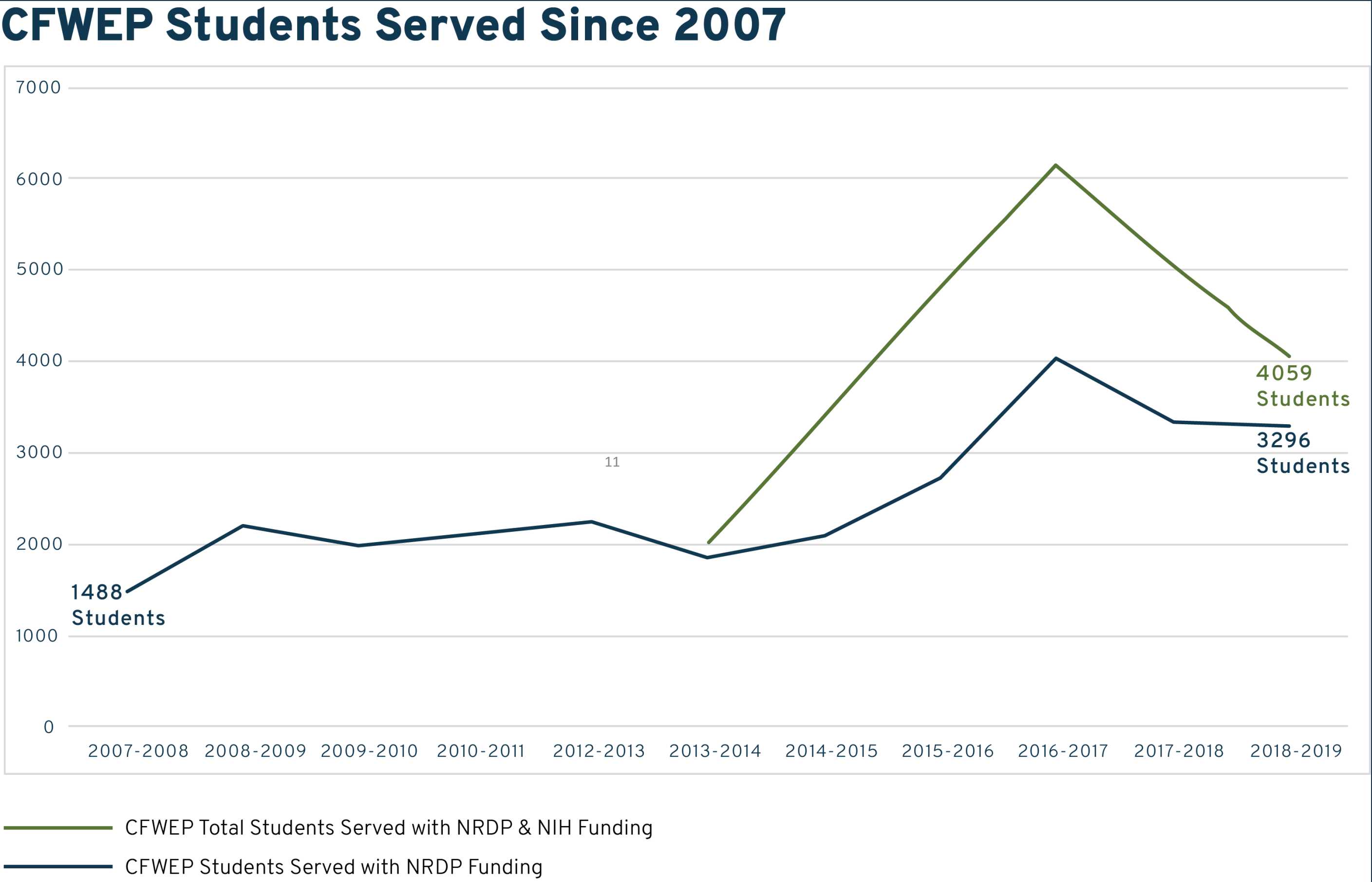
TOTAL SERVED SINCE 2005*
For all CFWEP Programming



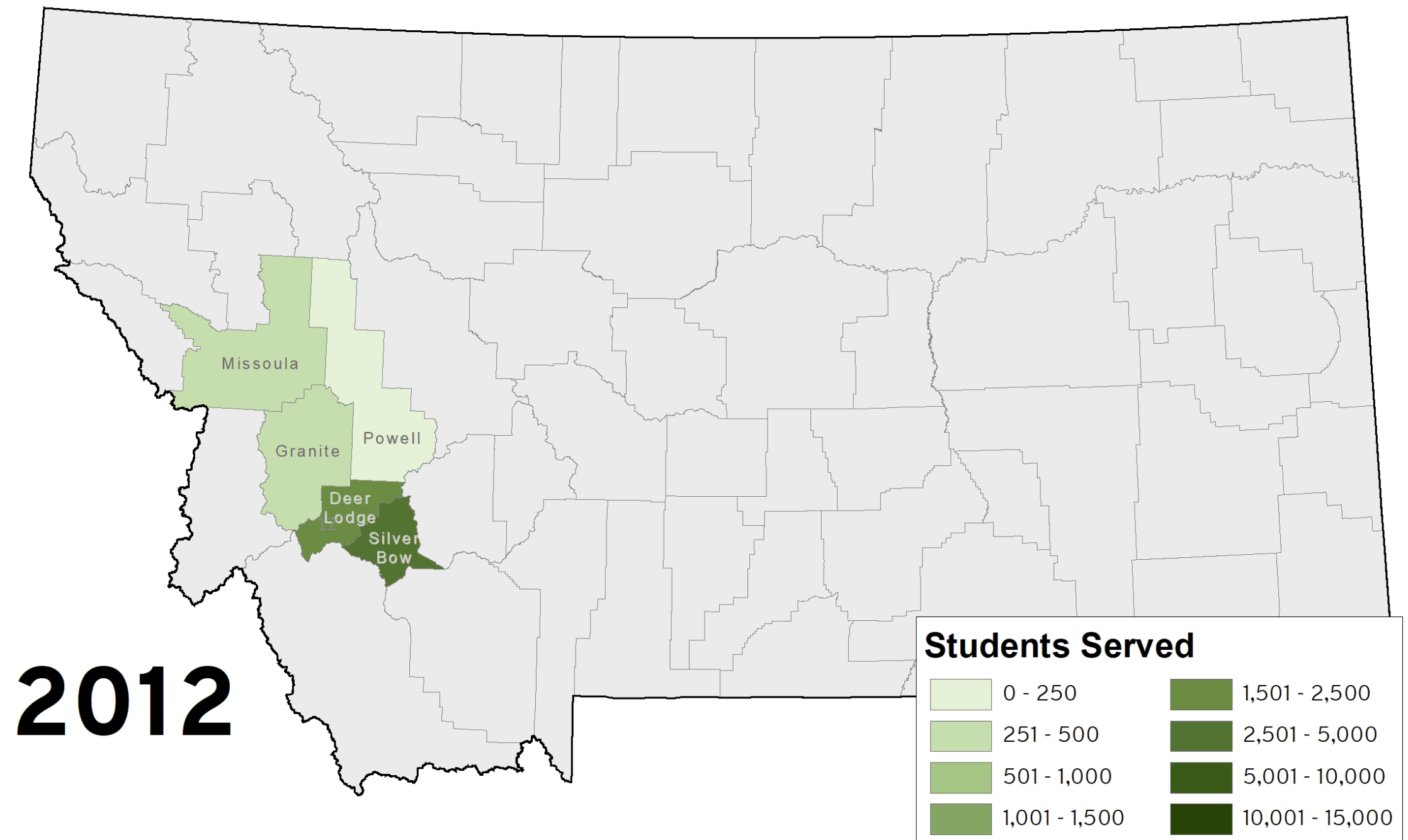
*Updated through December 2019

Since the beginning

Growth of watershed programming



CFWEP Student Outreach

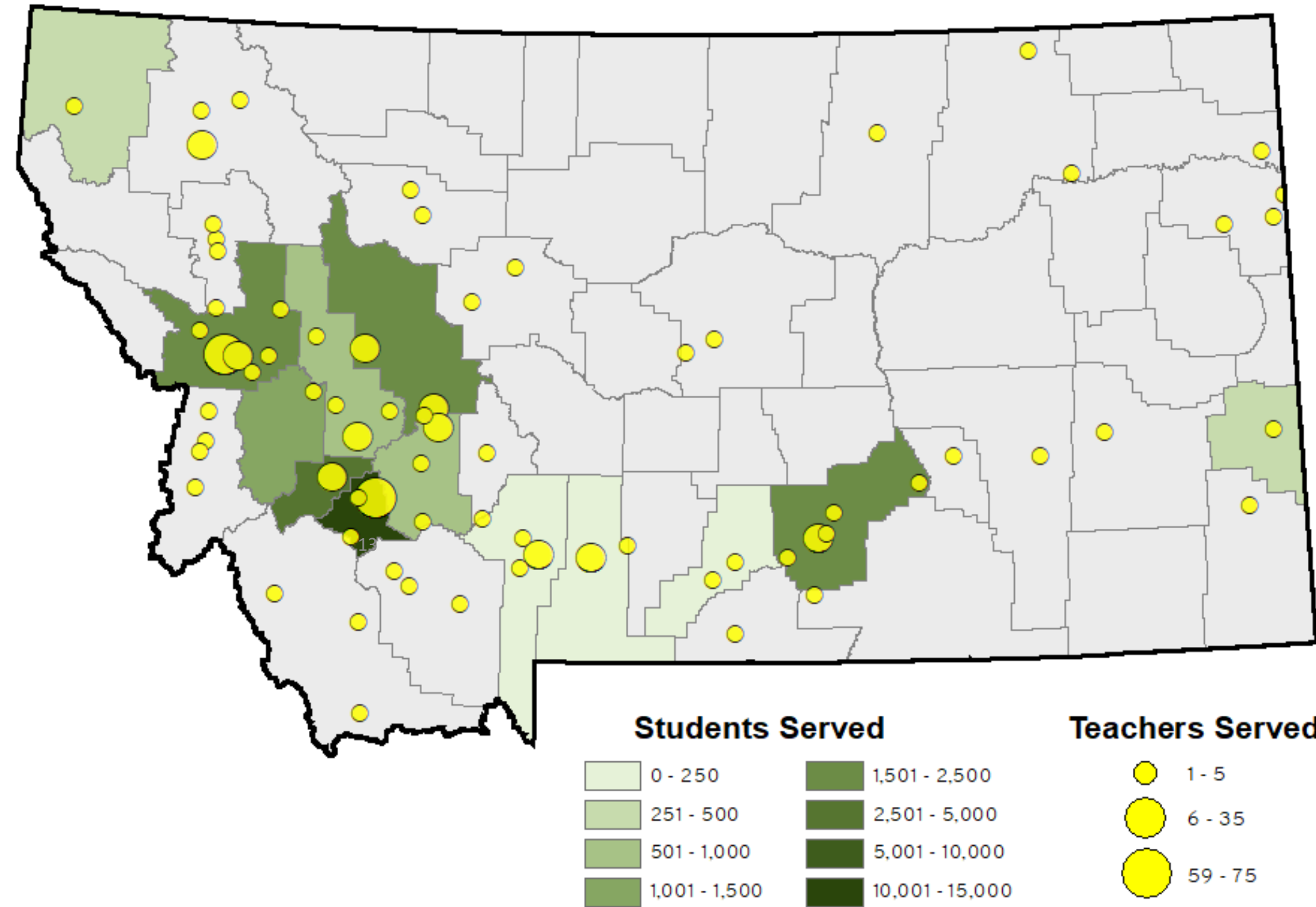




CFWEP OUTREACH MAP



CFWEP Outreach



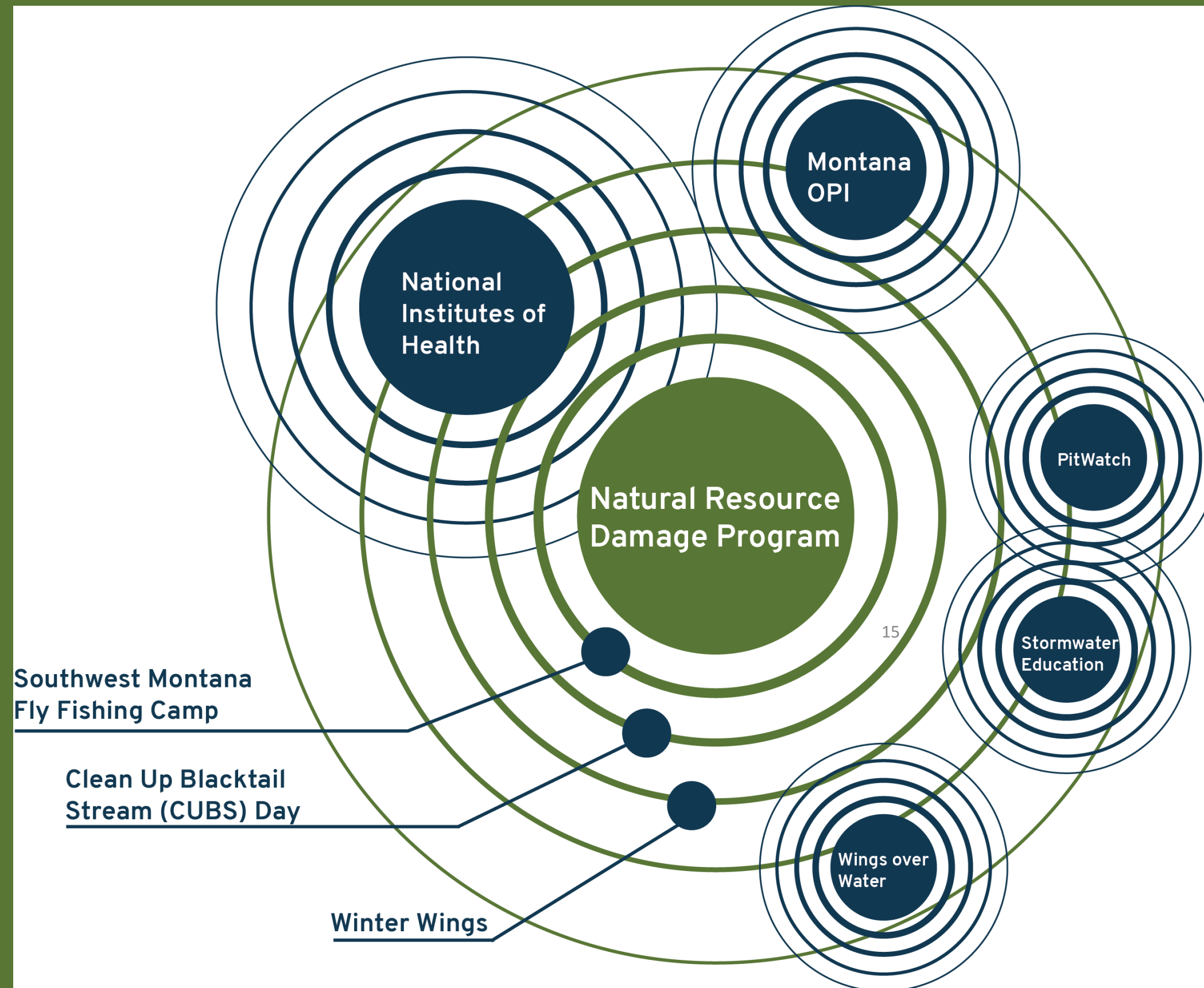


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THE HEART OF OUR PROGRAM

NDRP Funding has been the stable base from which we have been able to successfully launch teacher professional development, exciting cutting edge biomedical authentic research, and many other smaller mission-related programs.

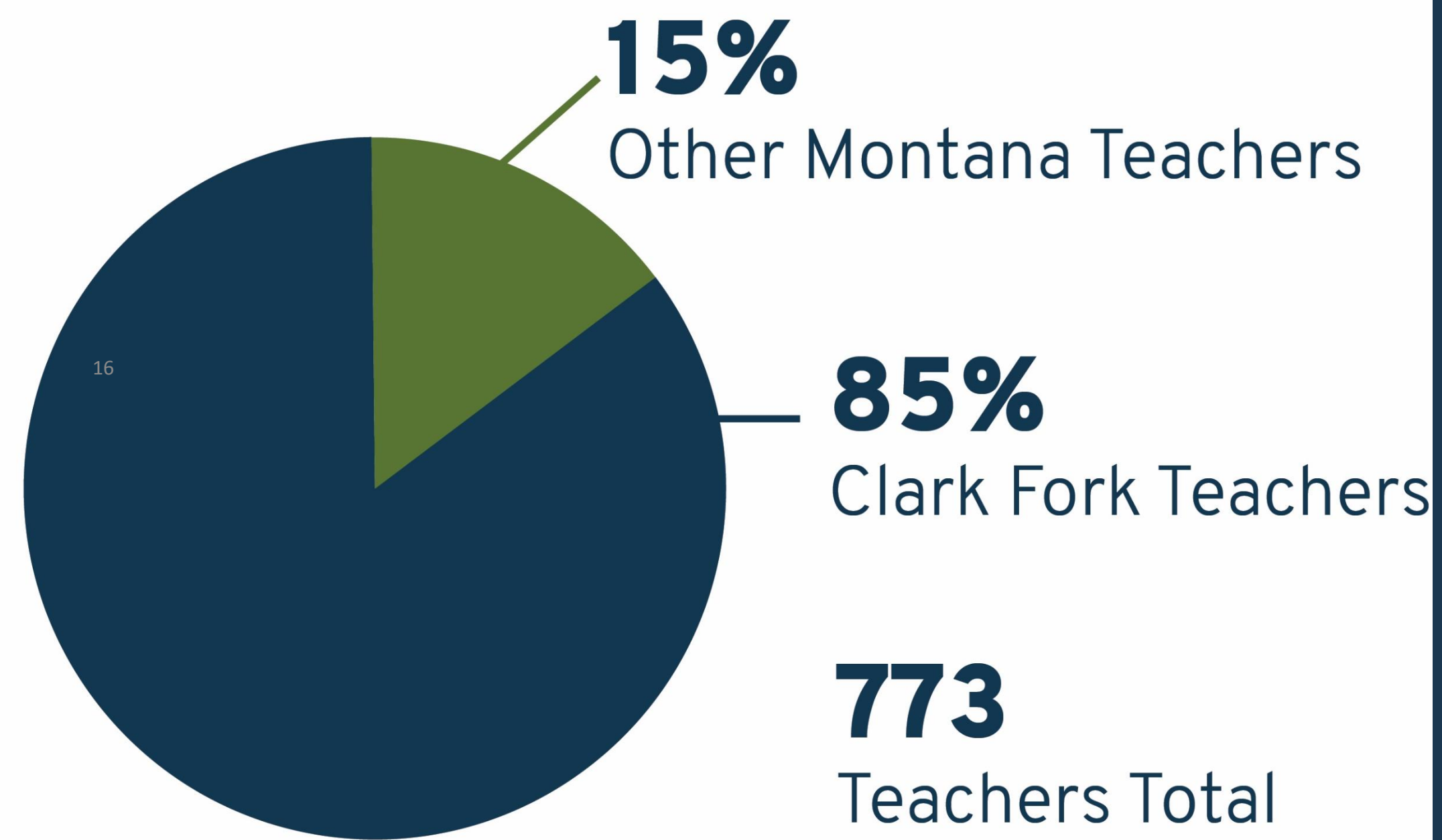


● ●
Although we have expanded to cover the state, our largest concentration remains in the Clark Fork Watershed.

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Teacher PD

CFWEP Teachers Served Since 2005





CFWEP MATCHING FUNDS



Matching Funds		
	20-21	21-22
Office of Public Instruction	\$ 35,000	
*BSB Stormwater	\$ 48,906	\$ 49,766
*Small Contracts	\$ 27,193	\$ 20,000
NIH/SEPA	\$ 254,772	\$ 244,801
*319--BSWC	\$ 9,000	
*Gifts/Foundation	\$ 11,500	
*Dennis and Phyllis WA		
*MPG Ranch	\$ 45,404	\$ 45,404
*MPG Ranch metals testing	\$ 5,000	
MTFWP--Milltown State Part Events	\$ 1,500	
NWF	\$ 1,000	
Clark Fork Coalition	\$ 1,000	
5 Valleys Land Trust	\$ 600	
Total of Other Funding	\$440,875	\$ 359,971
Proposed NRD Budget	\$ 521,420	\$ 526,306
Total Operating Budget	\$962,295	\$ 886,277
% NRD	54.19%	59.38%



OTHER GRANTS

Grants Applied for 2020-22

	2020-21	2021-22
*EPA	\$ 40,245	\$ 59,755
*Northwestern Energy Foundation	\$ 2,500	
*Cinnabar Foundation	\$ 15,000	
*Dreyfus Foundation	\$ 10,000	
Total	\$ 67,745	\$ 59,755

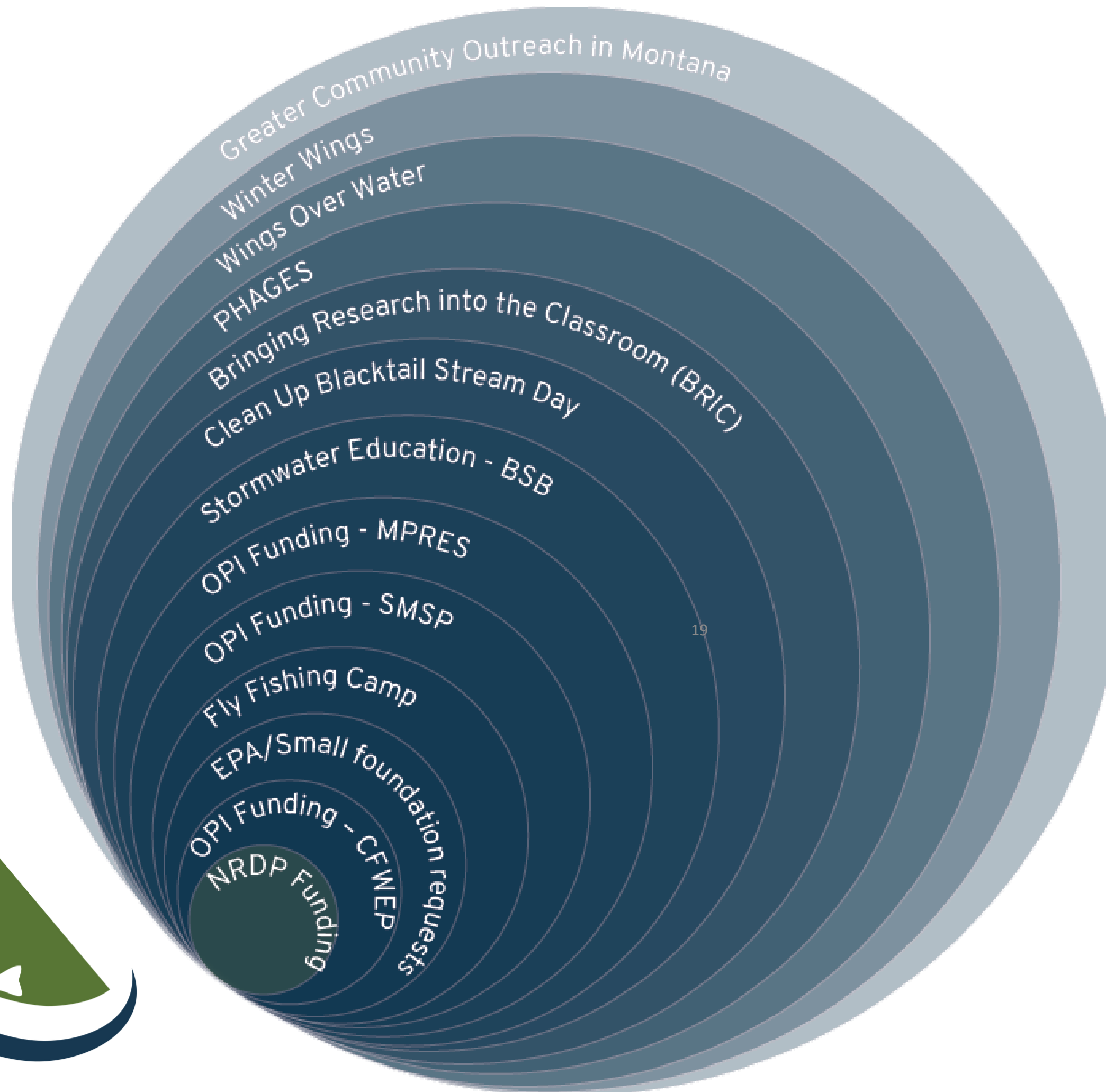
Grants Denied for 2020-22

Murdock	\$50,000
Pieces Foundation	\$50,000
Steele-Reese	\$ 24,000

* Direct Match to NRD programming

With the current climate, we expect that most private foundations will be directing resources to the COVID-19 relief efforts. Federal funds are on hold in some cases.

MATCHING FUNDS



Natural Resource Damage Program funds the heart of our program. Together we have provided outreach to tens of thousands of students in the watershed since 2005. Matching funds over the years have created a "ripple effect" allowing our impact to increase exponentially.

EVALUATION

With 15 years of secure funding, our team has focused on program excellence, growth, reach and impact. We take efficacy seriously. We recently published our student outcomes in School Science and Mathematics journal illustrating that our students make significant gains in science knowledge and stewardship attitudes.

Brandl R, Alvarado A, Peltomaa A. Evaluating efficacy of environmental education programming. School Science and Mathematics. 2019; 119:83-93. <https://doi.org/10.1111/ssm.12319>

AWARDS

Our long-term science staff and leadership volunteers have achieved national and international recognition in 2019: National Science Teachers Association (NSTA) Distinguished Informal Science Educator Award, Chamber of Commerce Top 25 Under 40 Award, ULIEA Award for Innovative Environmental-STEM Education in North America, Butte Local Development Corporation Educator of the Year, Fellow of the American Association for the Advancement of Science.



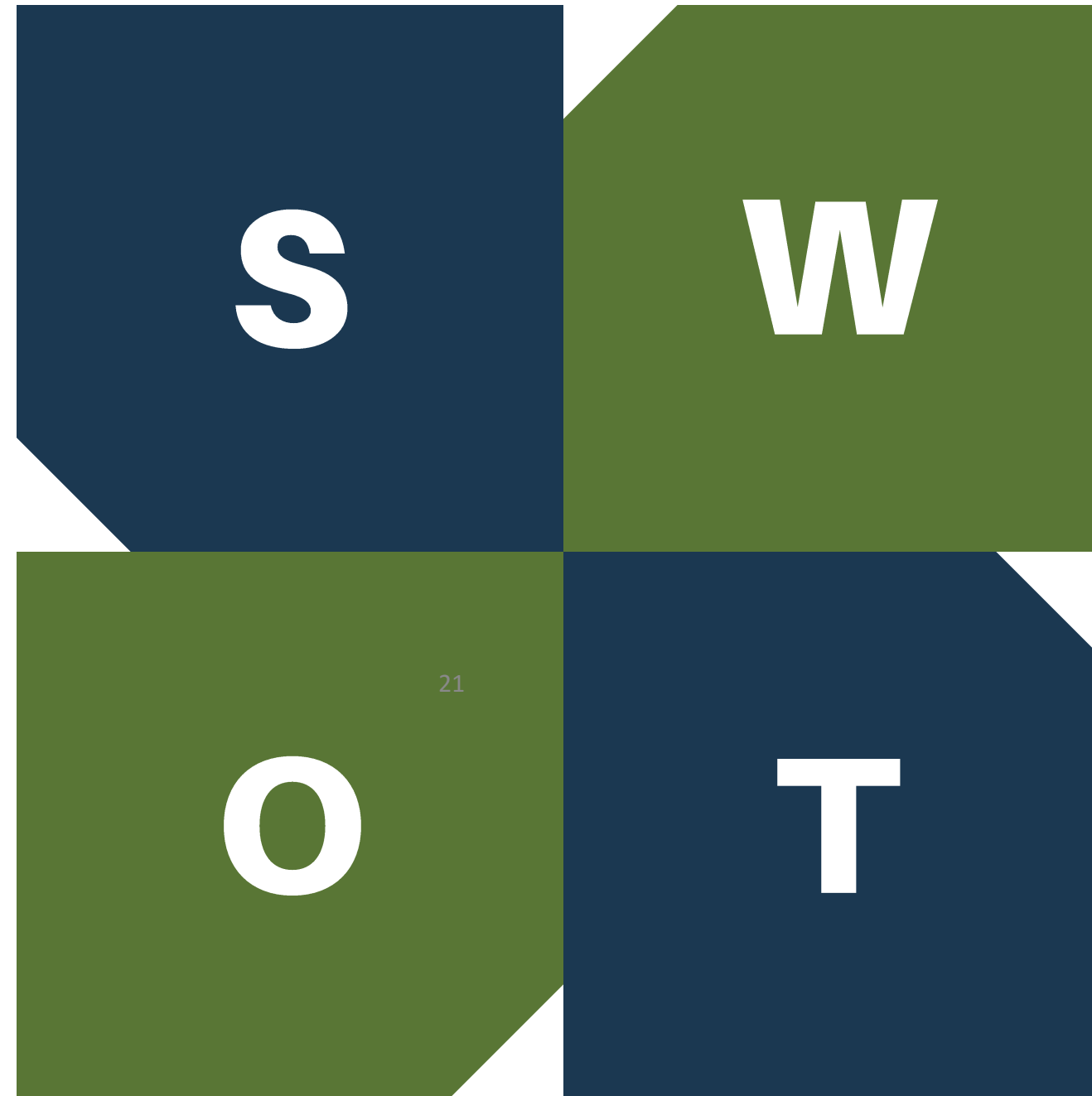
EFFICACY

STRENGTHS

- Sharing science
- Creating stewards
- Evaluating efficacy
- Nationally recognized
- Supporting teachers
- Missoula collaboration

OPPORTUNITIES

- Pipeline into STEM/TECH
- Increased community education
- Rising public interest in mercury levels in osprey
- Corporate sponsorship
- Individual philanthropy
- New mission-related special events/fundraising



WEAKNESSES

- Volunteer leadership to open doors
- 1 legged funding stool needs diversification
- Fundraising capacity/time

THREATS

- **COVID-19 virus keeps us from teaching in traditional way**
- National science & education funding vulnerable
- Private foundations reluctant to replace funding for current projects
- Economy downturn limits philanthropy



- CHALLENGE GRANT
- RECRUIT VOLUNTEER LEADERSHIP
- SOLICIT CORPORATE AND INDIVIDUAL CONTRIBUTIONS
- CONTINUE SEEKING PRIVATE FOUNDATION FUNDING

NEXT STEPS: FUNDING DIVERSIFICATION



We have a philanthropy foundations built and a plan ready to launch but recognize the current fiscal environment will be challenging to fundraise and recruit the caliber of leadership volunteer we will need to be successful. At this time we are planning to keep a staff slot open to conserve funding for better times.



CFWEP FUNDRAISING

Seeding STEM in Butte for \$200,000





CANCELLED

We were able to complete Fall Watershed Programming, Phages and Rural/Ultra Rural Trout in the Classroom and Missoula's Fall Watershed Science Program.

We cancelled 11 classes/events for our Spring Watershed Education programming affecting ~1,300 students in 8 communities.

- Creating digital offerings for fall if needed
- Teacher PD is moved to online courses through the OPI learning HUB
- Community education and outreach through media
- Continue development of partnership with WRC and new citizen science curriculum
- Restored Spaces Art Campaign April 22-May 6th.
- CUBS day shifted to 'socially distanced' clean-up day launching May 6th-May 25th.
- Dual track planning for summer—in person and remote learning
 - Fly Fishing Camp
 - Wings Over Water Teacher PD
 - Bird Banding

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NEXT STEPS: COVID-19



SOCIAL MEDIA COMMUNITY EDUCATION MATERIALS



Spring Water Tips
"Only Rain Down The Drain".



Please Don't Dump!



The landfill is open 7 days a week. It's free. They accept antifreeze, automotive batteries, cardboard, metals, oil and yard waste. Please don't forget to cover and secure your load.



Butte-Silver Bow
STORMWATER



Spring Water Tips
"Only Rain Down The Drain".



Pet Waste



When walking your dog, pick up waste. Pet waste is a large contributor of E. Coli bacteria and nitrate loading in our streams, which chokes out necessary oxygen for our fish.



Butte-Silver Bow
STORMWATER



Spring Water Tips
"Only Rain Down The Drain".



Pick Up Litter

Consider bringing a used grocery sack out on a walk and picking up trash once a week to help cut down the amount of litter in our streets and waterways. Don't be a litterbug!



Butte-Silver Bow
STORMWATER



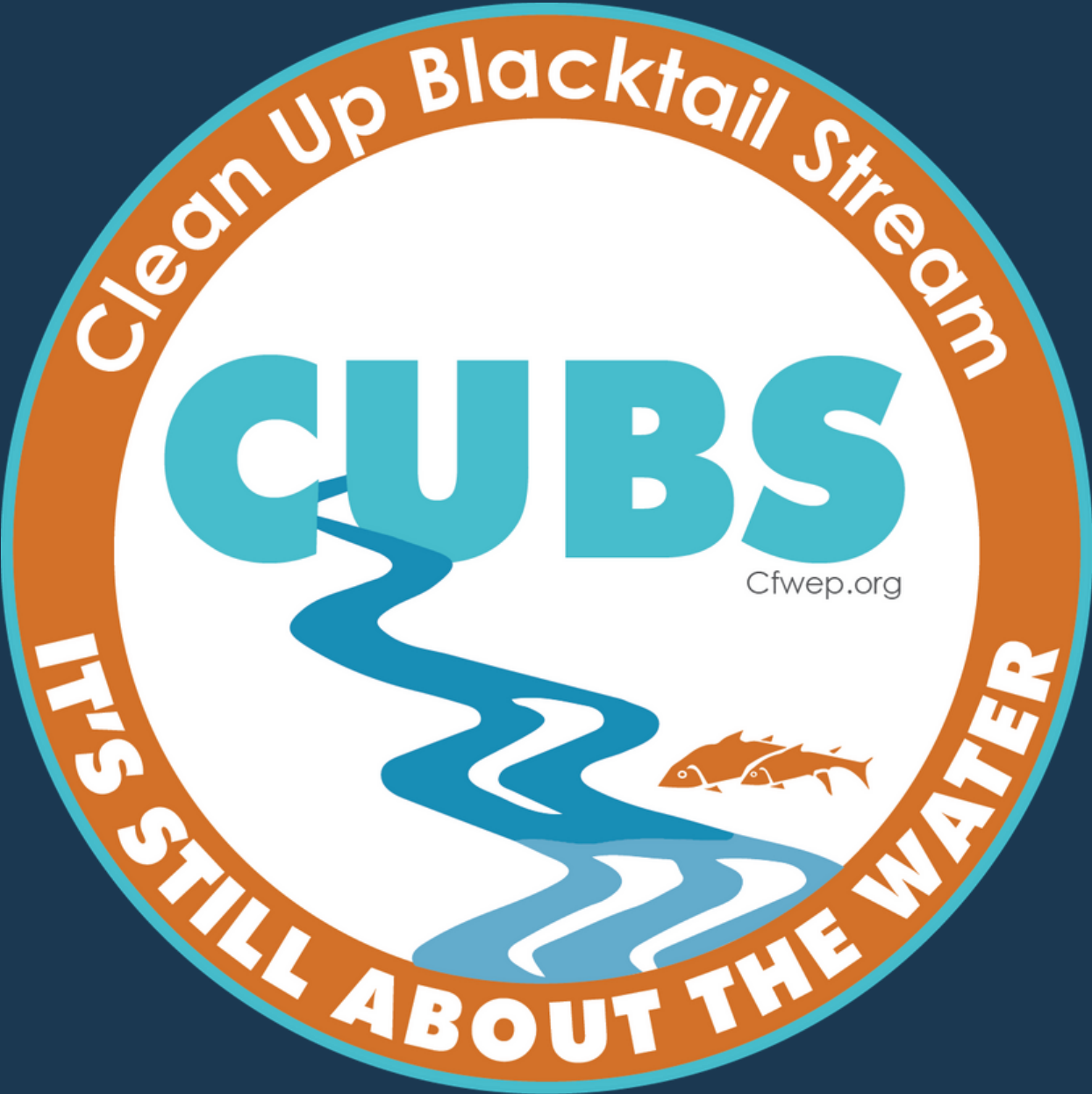
EARTH DAY EVENTS




Designed to inspire people throughout the watershed to share their impressions of the on-going restoration.

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Socially Distanced CUBS Event



Distributed on Facebook, in the April water bill, through our media partners, emails to teachers and supporters and through our community partnership with the Butte Chamber of Commerce.



VOLUNTEERS NEEDED

for Butte’s Annual Clean Up Blacktail & Silver Bow Creek Days

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Last spring Butte schoolchildren pulled 300 bags of trash out of local creeks on CUBS Day. CUBS Day: gets kids outside; connects them with their landscape; beautifies Butte; cultivates safety and stewardship; is a much-needed spring cleaning for our creeks and waterways; and is a key place-based experience for our stormwater education program. We are hoping families will help us continue the benefits by taking an hour anytime and doing some clean up. Please take a picture of interesting trash and let us know the number of trash bags you were able to fill so we can celebrate our collective achievement. This will be 2-weeks of virtual CUBS Days that we share through our website and Facebook events page.

When?

May 7-21, 2020 | At your convenience.

Start @


Butte Chamber of Commerce, Whiskey Gulch Station, or Father Sheehan Park. You may also clean up your own neighborhood.


Please

Bring your gloves, rakes, trash bags and waders.


Details

Details at cfwep.org/virtualcubs or contact Rachel at rneal@mtech.edu.
Please read important safety briefing before you begin.

Butte-Silver Bow

STORMWATER

Clean Up Blacktail Stream Day is an event of the Clark Fork Watershed Education Program (CFWEP). CFWEP fosters environmental stewardship and scientific decision-making through place-based learning and direct experiences.





Thank you for your
long-standing support
of our programming.
You have ensured this
legacy.

www.cfwep.org

